

TECHNICAL DATA SHEET

TECHNYL C 216 S25 V25 NC
(Previously DOMAMID 6LVGB5025 NC)

Polyamide 6, 50% glass fiber and glass beads, improved flowability, for injection moulding, natural color

General

Feature	Improved impact resistance
Polymer type	PA6 (Polyamide 6)
Processing technology	Injection molding
Certification	RoHS

Product identification

ISO 1043 abbreviation	PA6-(GF+GB)50
ISO 16396 designation	PA6-I,(GF+GB)50,M1,S14-110

	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm ³	1.55

Mechanical properties				dam / cond.*
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	11000 / -
Stress at break		ISO 527-1/-2	MPa	150 / -
Strain at break		ISO 527-1/-2	%	2.5 / -
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	10000 / -
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	230 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m ²	57 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	11 / -

Thermal properties				
Melting temperature, 10°C/min		ISO 11357-1	°C	221

Electrical properties				
Volume resistivity		IEC 62631-3-1	ohm.m	1E+015
Surface resistivity		IEC 62631-3-1	ohm	1E+014

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	Condition	Standard	Unit	Value
Burning behaviour				
Burning rate, FMVSS, Thickness 1 mm		FMVSS 302		< 100 mm/min

*: conditioned according to ISO 1110

Processing conditions

Drying temperature/time	75-85°C / 2-4h (with dew point of dried air < -30°C)
Recommended melt temperature	250 - 290 °C
Recommended mould temperature	80 - 100 °C

These parameters are typical of the product but should be related to the type of machinery used and to the type of moulded part.

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